

AMENDMENTS TO THE SPECIFICATION

In the Specification:

Please amend the title as follows:

~~DISPLACEMENT AMOUNT MEASURING APPARATUS AND GENERATED
FORCE MEASURING APPARATUS~~

**DISPLACEMENT-MEASURING APPARATUS AND POWER-MEASURING
APPARATUS**

Page 1, line 2, after the title, please insert the following new paragraph:

Related Applications

This application is a 35 U.S.C. 371 national stage filing of International Application No. PCT/JP2004/016211, filed 1 November 2004, which claims priority to Japanese Patent Application No. 2003-375539 filed on 5 November 2003 in Japan. The contents of the aforementioned applications are hereby incorporated by reference.

Page 5, beginning at line 12, please insert the following replacement paragraph:

[0016] The apparatus ~~comprising a solid electrolyte~~ for measuring the displacement of a sample extending and/or contracting by the supply of electric current preferably comprises a work electrode connected to the rear end of the sample, and a counter electrode connected to a front end of the sample, the rear end of the sample being fixed to the rod via the work electrode, and the front end of the sample being fixed to the movable member via the counter electrode, whereby the sample extends and/or contracts by the supply of electric current between the work electrode and the counter electrode.

Page 7, beginning at line 13, please insert the following replacement paragraph:

[0001] The apparatus ~~comprising a solid electrolyte~~ for measuring a power generated as a pushing force and/or a pulling force by a sample by the supply of electric current preferably comprises a work electrode connected to the rear end of the sample, and a counter electrode connected to a front end of the sample, whereby the power is generated by the supply of electric current between the work electrode and the counter electrode.

Page 13, beginning at line 17, please insert the following replacement paragraph:

[0002] As shown in Fig. 4(a), the sample S having a rear end S2 fixed to the work electrode 11 ~~attached to its one end~~ is contained in the cell 1 with the work electrode 11 directed toward the fixing rod 20, and the work electrode 11 is fixed to the inner face of the cell 1. ~~Thus, the rear end S2 of the sample S on the side of the work electrode 11 serves as a fixed end.~~ The front end S1 is fixed to the movable plate 34. The movable bar 33 is preferably fixed to the movable plate 34 beforehand. The cell 1 is then filled with the electrolytic solution 12, in which the counter electrode 13 and the reference electrode 14 are soaked. The order of arranging them in the cell 1 is not particularly limited, and for instance, the electrolytic solution 12 may be charged into the cell 1 after the counter electrode 13, etc. are disposed therein.

Page 17, beginning at line 8, please insert the following replacement paragraph:

[0003] The rear end S2 of the sample S is fixed to a lower end portion 231 of a fixing plate 23. The fixing plate 23 is perpendicularly fixed to the front end of a fixing rod 20. The lower end portion 231 of the fixing plate 23 is provided with a work electrode 11, to which the rear end S2 of the sample S is bonded. The front end S1 is fixed to a lower end portion 341 of a movable plate 34, which is perpendicularly fixed to the movable rod 30. ~~The movable rod 30 and the movable plate 34 move together when the sample S contracts.~~